

Industrial Ethernet IE-SW-BL08T-7TX-1SC

Weidmüller Interface GmbH & Co. KG
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Product image



- Variations with 5 or 8 ports
- Variations for Gigabit Ethernet
- Sturdy metal housing
- Compact design
- Two redundant power inputs 12/24/48 V DC
- Variations with copper and fibre-optic interface (multimode and singlemode)
- Extensive approvals: CE, FCC, cULus, Class I Div. 2 / ATEX Zone 2, DNV-GL

General ordering data

| | |
|------------|---|
| Type | IE-SW-BL08T-7TX-1SC |
| Order No. | 1412080000 |
| Version | Network switch, unmanaged, Fast Ethernet, Number of ports: 7x RJ45, 1 * SC Multi-mode, IP30, -40 °C...75 °C |
| GTIN (EAN) | 4050118212761 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|--------|--------|-----------------|------------|
| Width | 50 mm | Width (inches) | 1.969 inch |
| Height | 115 mm | Height (inches) | 4.528 inch |
| Depth | 70 mm | Depth (inches) | 2.756 inch |
| Weight | 275 g | Net weight | 275 g |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

EMC conformity and approvals

| | | | |
|---------------|---|---------------------|--|
| EMC standards | EN 55032, EN 55024, CISPR 32, FCC Part 15 Subpart B Class A, IEC 61000-4-2 ESD: Contact: 6 kV; Air: 8 kV, IEC 61000-4-3 RS: 80 MHz bis 1 Ghz: 10 V/m, IEC 61000-4-4 EFT: Power: 2 kV; Signal: 1 kV, IEC 61000-4-5 Surge: Power: 2 kV; Signal: 2 kV, IEC 61000-4-6 CS: 10 V, IEC 61000-4-8 | Explosive risk zone | UL/cUL, Class I, Division 2, Groups A, B, C and D, ATEX Zone 2 Ex nA IIC T4 Gc |
| Free fall | according to IEC 60068-2-32 | Security | UL508 |
| Shock | according to IEC 60068-2-27 | Vibration | according to IEC 60068-2-6 |

Environmental conditions

| | | | |
|-----------------------------|----------------------------|-----------------------------|-------|
| Humidity | 5 to 95 % (non-condensing) | Operating temperature, max. | 75 °C |
| Operating temperature, min. | -40 °C | Storage temperature, max. | 85 °C |
| Storage temperature, min. | -40 °C | | |

Fibre optic 100BaseFX

| | | | |
|---------------------------|----------|--------------------------------|---|
| Link budget multimode | 12 dB | Max. TX multi-mode | -10 dBm |
| Min. TX multi-mode | -20 dBm | Receive sensitivity multi-mode | -32 dBm |
| System reserve multi-mode | | Typical distances multi-mode | 4 km (62.5/125 µm multi-mode cable), 5 km (50/125 µm, multi-mode cable) |
| | -6 dBm | | |
| Wavelength multi-mode | 1,300 nm | | |

Guarantee

Time interval 5 years

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Technical data**Interfaces**

| | | | |
|---------------|---|-------------------|---|
| DIP switch | 1x for enabling/disabling the broadcast storm protection | Fibre-optic ports | 100BaseFX ports (SC connector), Multimode |
| LED indicator | PWR1, PWR2, 10/100M (TP-Port), 100M (fibre-optic port). | Number of ports | 7x RJ45, 1 * SC Multimode |
| RJ45 ports | 10/100BaseT(X), auto negotiation, Full-/half-duplex mode, Auto MDI/MDI-X port | | |

MTBF

| | | | |
|------|---------------|------|--------------------------|
| MTBF | 2,428,212 hrs | MTBF | Telcordia (Bellcore), GB |
|------|---------------|------|--------------------------|

Power supply

| | | | |
|-----------------------------|-----------------------------------|-----------------------------|----------------|
| Connection type | 1 removable 4-pin terminal block | Current consumption | 0.17 A at 24 V |
| Overload current protection | 1.1 A | Reverse polarity protection | Available |
| Supply voltage, max | 60 V DC | Supply voltage, min. | 9.6 V DC |
| Voltage supply | 12/24/48 V DC, 2 redundant inputs | | |

Switch characteristics

| | | | |
|----------------|-----|--------------------|----------|
| MAC table size | 1 K | Packet buffer size | 512 Kbit |
|----------------|-----|--------------------|----------|

Technical data

| | | | |
|-----------------------|--|-------------------|------|
| Housing main material | Aluminium | Protection degree | IP30 |
| Type of mounting | Rail, Panel (with optional mounting kit) | | |

Technology

| | | | |
|----------------|---|--------------|--|
| Data switching | Store and Forward | Flow control | IEEE 802.3x flow control, Back pressure flow control |
| Standard | IEEE 802.3 for 10BaseT, IEEE 802.3u for 100BaseT(X) und 100BaseFX, IEEE 802.3x for flow control | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 5.0 | EC000734 | ETIM 6.0 | EC000734 |
| eClass 6.2 | 19-17-01-06 | eClass 7.1 | 19-17-01-06 |
| eClass 8.1 | 19-17-01-06 | eClass 9.0 | 19-17-01-06 |
| eClass 9.1 | 19-17-01-06 | | |

Data sheet**Industrial Ethernet
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Technical data**Approvals**

Approvals



ROHS

Conform

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | ATEX certificate EU Declaration of Conformity |
| Product Change Notification | Product Change Notification IE-SW-BL08-series |
| User Documentation | Hardware Installation Guide |